

## CLAIMS

What is claimed is:

1. A mold for forming therein a dental model base useable with a dental articulator, the mold comprising:
  - 5 a bottom portion having a rear wall and a side wall at a periphery thereof extending upwards to define a cavity, the walls having upper edges defining an opening to the cavity; and
  - a shaping element for forming at a portion of the dental model base a complement to the shaping element, the complement defining a connection
  - 10 element of a pivot mechanism which rotationally mates with a corresponding connection element of the articulator.
2. The mold of Claim 1 wherein the rear wall includes a first recess and wherein the shaping element comprises a first excurve cylindrical element in the first recess for forming at the dental model base a stanchion having an incurvature
- 15 corresponding to the excurve of the cylindrical element.
3. The mold of Claim 2 wherein the rear wall further includes a second recess spaced apart from the first recess, the second recess including therein a second shaping element comprising a second excurve cylindrical element, the excurve of the first and second excurve cylindrical elements being coaxial
- 20 with an axis lying between the recesses and oriented in a transverse relationship to the rear wall.
4. The mold of Claim 1 wherein the shaping element comprises a convex portion extending into the cavity for forming a concave channel at the dental model base to which channel the articulator can be attached to form a pivot mechanism.

5. The mold of Claim 4 wherein the shaping element comprises a pair of convex portions formed at opposing ends of the side wall.
6. The mold of Claim 1 wherein the shaping element comprises an excurve cylindrical element for forming at the dental model base an incurvature corresponding to the excurve of the cylindrical element.
7. The mold of Claim 6 wherein the excurve is on the rear wall and wherein a cylinder axis is oriented in a transverse relationship to the rear wall.

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